

WHAT IS CLAIMED IS:

1. A serodiagnostic assay for fungal antibody comprising:
 - (i) preparing fungal cell culture supernatants;
 - (ii) reacting said fungal cell culture supernatants with sera from a test subject; and
 - (iii) determining the serum antibody level of said test subject.
2. The serodiagnostic assay of claim 1, wherein said fungal cell culture supernatants in steps (i) and (ii) are prepared and used at a temperature above the freezing point.
3. The serodiagnostic assay of claim 1, wherein said fungal cell culture supernatants in steps (i) and (ii) are prepared and used at 20 °C.
4. The serodiagnostic assay of claim 1, wherein said fungal cell culture supernatants in steps (i) and (ii) are prepared under aeration condition.
5. The serodiagnostic assay of claim 2, wherein said fungal cell culture supernatants in steps (i) and (ii) are prepared under aeration condition.
6. The serodiagnostic assay of claim 4, wherein said aeration condition is provided by gentle shaking.
7. The serodiagnostic assay of claim 5, wherein said aeration condition is provided by gentle shaking.
8. The serodiagnostic assay of claim 1, wherein enzyme-linked immunosorbent assay (ELISA) is used in step (iii) for determining the serum antibody level.

9. The serodiagnostic assay of claim 1, wherein said assay is for the detection of yeast antibodies and said fungal cell culture supernatants are substituted with yeast cell culture supernatants.
10. A serodiagnostic assay for fungal and yeast antibodies comprising:
 - (i) preparing fungal and yeast cell culture supernatants mixture;
 - (ii) reacting said fungal and yeast cell culture supernatants with sera from a test subject; and
 - (iii) determining the serum antibody level of said test subject.
11. The serodiagnostic assay according to claim 1, wherein the test subject is animal or human.
12. The serodiagnostic assay according to claim 10, wherein the test subject is animal or human.
13. A fungal or yeast cell culture supernatant as antigenic source for detecting level of antibodies from a sample test subject.
14. The fungal or yeast cell culture supernatant of claim 13, wherein said supernatant is prepared and used at a temperature above the freezing point.
15. The fungal or yeast cell culture supernatant of claim 14, wherein said supernatant is prepared and used at 20 °C.
16. The fungal or yeast cell culture supernatant of claim 14, wherein said supernatant is prepared under aeration condition.
17. The fungal or yeast cell culture supernatant of claim 16, wherein said aeration condition is provided by gentle shaking.

18. The fungal or yeast cell culture supernatant of claim 13, wherein said supernatant displays specific antibody affinity such that only serum antibodies of the same fungus or yeast are capable of being detected.
19. The fungal or yeast cell culture supernatant of claim 18, consisting of species selected from the group of *Alternaria*, *Baker's Yeast*, *Chaetomium* and *Fusarium*.
20. The fungal or yeast cell culture supernatant of claim 13, wherein said supernatant displays generic antibody affinity such that said supernatant can be used to detect serum antibodies to a large panel of different fungal or yeast species.
21. The fungal or yeast cell culture supernatant of claim 20, consisting of species selected from *Aspergillus* and *Paecilomyces*.
22. The fungal or yeast cell culture supernatant of claim 13, wherein said supernatant displays antibody affinity towards serum antibodies of the same fungal or yeast species as well as serum antibodies of other fungal or yeast species.
23. The fungal or yeast cell culture supernatant of claim 22, consisting of species selected from the group of *Bipolaris*, *Neosatorya*, *Penicillium*, *Stachybotrys* and *Uliocladium*.
24. The fungal or yeast cell culture supernatant of claim 13 displaying varying degrees of antigenicity.
25. The fungal or yeast cell culture supernatant of claim 13 effective in detecting aflatoxins.
26. The fungal cell culture supernatant of *Bipolaris* displaying significant degree of antigenicity towards antibody detection in the assay according to claim 1.

27. The fungal cell culture supernatant of *Cladosporium* displaying false positive indication under alkaline condition towards antibody detection in the assay according to claim 1.
28. The use of fungal or yeast cell culture supernatant as vaccines.
29. A fungal or yeast cell culture supernatant comprising only partially of nucleic acids or proteins.

096694-069001
T00690-T0699650